Agricultural Research Station, 37860 W. Smith-Enke Road, Maricopa, Arizona 85239, United States; Richard Percy, USDA, ARS, Maricopa Agricultural Research Ctr., 37860 W. Smith-Enke Rd., Maricopa, Arizona 85339, United States. Received 10/20/1997.

PI 599427. Gossypium barbadense L.
Breeding. Pureline. 89590; AMERICAN PIMA. GP-670. Pedigree - Sea Island cultivar, St. Vincent V-135 / early maturing experimental line P62. Long fibered, heat tolerant, with agronomically acceptible growth characteristics. Fiber avg. 38 mm, or 3 mm longer than Pima S-7, an industry standard. Fiber strength avg. 340 kNm Kg-1, Micronaire avg. 3.6, and length uniformity avg. 44.3%. Compared to Pima S-7 is approx. 4% taller, yield potential 75-85%, and maturation time approx. same.

PI 599428. Gossypium barbadense L.
Breeding. Pureline. 8810; AMERICAN PIMA. GP-671. Pedigree - Cross of two experimental Pima lines, 86-355 and P73. Strong fibered, heat tolerant, with agronomically acceptible growth characteristics. Fiber strength avg. 369 kNm kg-1, or 46 kNm kg-1 stronger than Pima S-7, an industry standard. 2.5% fiber span of 35 mm, fiber length uniformity 48.9%, and micronaire 4.0 units. Compared to Pima S-7 is approx. 3% taller, yield potential 75-85%, and maturation time approx. same.

The following were developed by James S. Beaver, University of Puerto Rico, Mayaguez Camp, Department of Agronomy & Soils, P. O. Box 5000, Mayaguez, Puerto Rico; James R. Steadman, University of Nebraska, Department of Plant Pathology, 406 Plant Science Hall, Lincoln, Nebraska 68583, United States; Juan C. Rosas, Esuela Agricola Panamericana, El Zamorano, P.O. Box 93, Tegucigalpa, Francisco Morazan, Honduras; Jim Kelly, Michigan State University, Department of Crop & Soil Science, East Lansing, Michigan 48824, United States; Phil Miklas, USDA, ARS, Irrigated Agric. Research & Extension Ctr., 24106 North Bunn Road, Prosser, Washington 99350, United States. Received 10/20/1997.

PI 599429. Phaseolus vulgaris L.
Breeding. Pureline. PR9357-107. GP-180. Pedigree - Desarrural I//T1033/Desarrural I. Growth habit indeterminate, prostrate, Type III. Maturity 75-80 days during winter months in Puerto Rico. Commercially acceptable small red seed, weight avg. 27 g. Multiple disease resistance, resistant to rust (Uromyces appendiculatus) and bc-3 gene which confers resistance to all known strains of bean common mosaic virus and bean common mosaic necrosis virus. Susceptible to bean golden mosaic and common bacterial blight (Xantomonas campestris).

The following were collected by Richard M. Hannan, USDA, ARS, Washington State University, Regional Plant Introduction Station, Pullman, Washington 99164-6402, United States; Walter J. Kaiser, USDA, ARS, Washington State University, Regional Plant Introduction Station, Pullman, Washington 99164-6402, United States. Received 10/23/1997.

PI 599430. Anthoxanthum odoratum L.
Wild. B96-269. Collected 07/12/1996 in Bulgaria. Latitude 42 deg. 49' 5'' N. Longitude 24 deg. 57' 38'' E. Elevation 1850 m. Grassy hillside.